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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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EXAMINER

CAMPBELL, JOSHUA D

ART UNIT	PAPER NUMBER
2178	

MAIL DATE	DELIVERY MODE
01/25/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

09/800,330

Applicant(s)

DAMES ET AL.

Examiner

Joshua D. Campbell

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 10/30/2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-33 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-33 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. This action is responsive to communications: Amendment filed on 10/30/2007.
2. Claims 1-33 are pending in this case. Claims 1, 13, 14, 22, and 33 are independent claims. Claims 1, 2, 6, 8-11, 13, 14, and 22-33 have been amended.
3. The rejection of Claims 1-33 under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement has been withdrawn due to amendments.

Claim Rejections - 35 USC § 103

4. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
5. Claims 1-12 and 22-33 are rejected under 35 U.S.C. 103(a) as being unpatentable over Saito et al. (hereinafter Saito, US Patent Application Publication Number 2001/0042083, filed on August 13, 1998) in view of Rowe et al. (hereinafter Rowe, US Patent Number 6,073,148, filed on November 10, 1998) and further in view of Guck (US Patent Number 5,911,776, issued June 15, 1999).

Regarding independent claim 1, Saito discloses a method in which a template is identified which corresponds to a specified document in which the document includes formatted content (page 3, paragraphs 0042-0045 of Saito). Saito discloses that the template is a customizable by the user (user-defined search template) to get different combinations of data from the content markers (page 1, paragraphs 0006-0007 and page 5, paragraphs 0050-0055 of Saito). The template is applied to the document and

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an application extracts data from the formatted content and formats the data based upon the template in which the formatting produces a second document in a target format (page 3, paragraphs 0042-0045 of Saito). Saito discloses a method in which templates have a content marker for locating data in which the content marker has an identifier for identifying data within the formatted content that corresponds to a type of data (page 1, paragraph 0002, page 4, paragraph 0048, and page 5, paragraphs 0050-0055 of Saito). Saito discloses multiple embodiments for the user-defined (customizable) search templates, one of which is based upon key text found in the content (page 5, paragraph 0055 of Saito). The key text is a collection of key words deemed relevant to the content based on certain predetermined rules. The key text is thus a topical representation of the content that was searched, this key text then exists as a content marker in the template which is linked to the content which it represents (page 5, paragraph 0055 of Saito). Saito also discloses that specific processes are included within the template to on the original document to be used in the resulting document, one of which is labeling, which is considered to be additional text associated with a data field (pages 4, paragraphs 0046-0047 of Saito).

Saito does not disclose a method in which the marker identifies an offset for determining content. However, Rowe discloses a method in which a marker identifies an offset to be used to obtain the necessary content from a document (column 31, line 56-column 32, line 11). It would have been obvious to one of ordinary skill in the art at the time the invention was made to have combined the methods of Saito and Rowe

because it would have provided a way to efficiently request specific portions of a document.

Neither Saito nor Rowe disclose a method in which the template corresponds to a specific markup language and the second document is this formatted into the markup language different than the original or that the content is formatted for audible presentation. However, Guck discloses a method in which a template (shadow file) corresponds to a document and a specific document format that includes markup languages, and when a document is requested by format the template is used to format the content of the original document into the specific markup language (SGML, XML, HTML, etc.) (column 4, line 40-column 5, line 24 and Figure 8 of Guck). Guck also discloses a method in which the newly formatted document is converted into an audio format for IVR systems and sent to a speech interface (column 4, lines 17-38 of Guck). It would have been obvious to one of ordinary skill in the art at the time the invention was made to have combined the methods of Saito and Rowe with the teachings of Guck because it would have allowed for formats to be specified based on the device or program used to access the data, thus it would have made the content available to a larger audience.

Regarding dependent claim 2, Saito discloses a method in which the data is unformatted data (page 3, paragraphs 0041-0042 of Saito).

Regarding dependent claim 3, neither Saito nor Rowe disclose a method in which the document is a web page accessed using HTTP with a location specified by a URL. However, Guck discloses a method in which the document requested is a web

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page accessed using HTTP from a location specified by a URL (column 10, lines 7-46 of Guck). It would have been obvious to one of ordinary skill in the art at the time the invention was made to have used the methods of Saito and Rowe with the method of Guck because web pages, HTTP, and URLs would have provided a simple way for remote users to access documents.

Regarding dependent claim 4, Saito discloses a method in which the document is conveyed and presented through a user interface to a client (page 3, paragraph 0039 of Saito).

Regarding dependent claim 5, neither Saito nor Rowe disclose a method in which the interface is a speech interface. However, Guck discloses a method in which the newly formatted document is converted into an audio format for IVR systems and sent to a speech interface (column 4, lines 17-38 of Guck). It would have been obvious to one of ordinary skill in the art at the time the invention was made to have combined the methods of Saito and Rowe with the teachings of Guck because it would have allowed for formats to be specified based on the format that a user had the ability to access, thus it would have made the content available to a larger audience.

Regarding dependent claims 6 and 7, Saito discloses a method in which templates have a content marker for locating data in which the content marker has an identifier for identifying data within the formatted content (page 1, paragraph 0002 and page 5, paragraph 0050 of Saito). Saito does not disclose a method in which the marker identifies an offset for determining content. However, Rowe discloses a method in which a marker identifies an offset to be used to obtain the necessary content from a

document (column 31, line 56-column 32, line 11). It would have been obvious to one of ordinary skill in the art at the time the invention was made to have combined the methods of Saito and Rowe because it would have provided a way to efficiently request specific portions of a document.

Regarding dependent claims 8-9, Saito discloses a method in which the formatted content is in HTML (page 3, paragraphs 0042-0045 of Saito). Neither Saito nor Rowe disclose a method in which the template corresponds to a specific markup language and the second document is this formatted into the markup language different than the original. However, Guck discloses a method in which a template (shadow file) corresponds to a document and a specific document format that includes markup languages, and when a document is requested by format the template is used to format the content of the original document into the specific markup language (SGML, XML, HTML, etc.) (column 4, line 40-column 5, line 24 and Figure 8 of Guck). It would have been obvious to one of ordinary skill in the art at the time the invention was made to have combined the methods of Saito, Rowe, and Guck because it would have allowed for formats to be specified based on the device or program used to access the data, thus it would have made the content available to a larger audience.

Regarding dependent claims 10-11, neither Saito nor Rowe disclose a method in which the second document is formatted in audible format to be presented (VoiceXML). However, Guck discloses a method in which the newly formatted document is converted into an audio format for IVR systems and sent to a speech interface (column 4, lines 17-38 of Guck). It would have been obvious to one of

ordinary skill in the art at the time the invention was made to have combined the methods of Saito and Rowe with the teachings of Guck because it would have allowed for formats to be specified based on the format that a user had the ability to access, thus it would have made the content available to a larger audience.

Guck does not disclose that the format used is specifically VoiceXML, however as stated in the applicant's own specification (page 3, line 12-page 4, line 12 of Applicant's specification) VoiceXML was a well-known audio presentation language used to transcode HTML documents into audio format. It would have been obvious to one of ordinary skill in the art at the time the invention was made to have used VoiceXML when converting HTML documents of Guck into IVR audio document because it would have provided a simple way of converting the documents without having to reformat the content.

Regarding dependent claim 12, Saito discloses a method in which the second document and the specified document are of a different modality (page 3, paragraphs 0042-0045 of Saito).

Regarding independent claim 22 and dependent claims 23-32, the claims incorporate substantially similar subject matter as claims 1-12. Thus, the claims are rejected along the same rationale as claims 1-12.

Regarding independent claim 33, Saito discloses a method in which a template is identified which corresponds to a specified document in which the document includes formatted content (page 3, paragraphs 0042-0045 of Saito). Saito discloses that the template is customizable by the user (user-defined search template) to get different

combinations of data from the content markers (page 1, paragraphs 0006-0007 and page 5, paragraphs 0050-0055 of Saito). The template is applied to the document and an application extracts data from the formatted content and formats the data based upon the template in which the formatting produces a second document in a target format (page 3, paragraphs 0042-0045 of Saito). Saito discloses a method in which templates have a content marker for locating data in which the content marker has an identifier for identifying data within the formatted content that corresponds to a data type, and content markers are ordered based on the order in which the data is presented (Figure 15, page 1, paragraph 0002, page 4, paragraph 0048, and page 5, paragraphs 0050-0055 of Saito). Saito discloses multiple embodiments for the user-defined (customizable) search templates, one of which is based upon key text found in the content (page 5, paragraph 0055 of Saito). The key text is a collection of key words deemed relevant to the content based on certain predetermined rules. The key text is thus a topical representation of the content that was searched, this key text then exists as a content marker in the template which is linked to the content which it represents (page 5, paragraph 0055 of Saito). Saito also discloses that specific processes are included within the template to on the original document to be used in the resulting document, one of which is labeling, which is considered to be additional text associated with a data field (pages 4, paragraphs 0046-0047 of Saito).

Saito does not disclose a method in which the marker identifies an offset for determining content. However, Rowe discloses a method in which a marker identifies an offset to be used to obtain the necessary content from a document (column 31, line

56-column 32, line 11). It would have been obvious to one of ordinary skill in the art at the time the invention was made to have combined the methods of Saito and Rowe because it would have provided a way to efficiently request specific portions of a document.

Neither Saito nor Rowe disclose a method in which the template corresponds to a specific markup language and the second document is this formatted into the markup language different than the original or that the content is formatted for audible presentation. However, Guck discloses a method in which a template (shadow file) corresponds to a document and a specific document format that includes markup languages, and when a document is requested by format the template is used to format the content of the original document into the specific markup language (SGML, XML, HTML, etc.) (column 4, line 40-column 5, line 24 and Figure 8 of Guck). Guck also discloses a method in which the newly formatted document is converted into an audio format for IVR systems and sent to a speech interface (column 4, lines 17-38 of Guck). It would have been obvious to one of ordinary skill in the art at the time the invention was made to have combined the methods of Saito and Rowe with the teachings of Guck because it would have allowed for formats to be specified based on the device or program used to access the data, thus it would have made the content available to a larger audience.

6. Claims 13-21 are rejected under 35 U.S.C. 103(a) as being unpatentable over Saito et al. (hereinafter Saito, US Patent Application Publication Number 2001/0042083,

filed on August 13, 1998) in view of Guck (US Patent Number 5,911,776, issued June 15, 1999).

Regarding independent claim 13, Saito discloses a method in which formatted content is located in a document (page 1, paragraph 0002 and page 5, paragraph 0050 of Saito). Saito discloses that a template is constructed corresponding to the data location corresponding to a content marker in which the template corresponds to the document (page 1, paragraph 0002, page 3, paragraphs 0042-0045, and page 5, paragraph 0050 of Saito). Saito discloses that the template is customizable by the user (user-defined search template) to get different combinations of data from the content markers (page 1, paragraphs 0006-0007 and page 5, paragraphs 0050-0055 of Saito). Saito also discloses that the templates are mapped to their corresponding document using a table (Figure 5 and page 3, paragraph 0043 of Saito). Saito discloses a method in which templates have a content marker for locating data in which the content marker has an identifier for identifying data within the formatted content that corresponds to a data type (page 1, paragraph 0002, page 4, paragraph 0048, and page 5, paragraphs 0050-0055 of Saito). Saito discloses multiple embodiments for the user-defined (customizable) search templates, one of which is based upon key text found in the content (page 5, paragraph 0055 of Saito). The key text is a collection of key words deemed relevant to the content based on certain predetermined rules. The key text is thus a topical representation of the content that was searched, this key text then exists as a content marker in the template which is linked to the content which it represents (page 5, paragraph 0055 of Saito). Saito also discloses that specific

processes are included within the template to on the original document to be used in the resulting document, one of which is labeling, which is considered to be additional text associated with a data field (pages 4, paragraphs 0046-0047 of Saito).

Saito does not disclose a method in which the template corresponds to a specific markup language and the second document is this formatted into the markup language different than the original. However, Guck discloses a method in which a template (shadow file) corresponds to a document and a specific document format that includes markup languages, and when a document is requested by format the template is used to format the content of the original document into the specific markup language (SGML, XML, HTML, etc.) (column 4, line 40-column 5, line 24 and Figure 8 of Guck). It would have been obvious to one of ordinary skill in the art at the time the invention was made to have combined the methods of Saito and Guck because it would have allowed for formats to be specified based on the device or program used to access the data, thus it would have made the content available to a larger audience.

Regarding independent claim 14, Saito discloses a method in which templates exist for extracting formatted content from corresponding documents and a table is used to associate the templates with the corresponding documents (Figure 5 and page 3, paragraph 0043 of Saito). Saito discloses that the template is a customizable by the user (user-defined search template) to get different combinations of data from the content markers (page 1, paragraphs 0006-0007 and page 5, paragraphs 0050-0055 of Saito). Saito discloses a method in which templates have a content marker for locating data in which the content marker has an identifier for identifying data within the

formatted content that corresponds to a data type (page 1, paragraph 0002, page 4, paragraph 0048, and page 5, paragraphs 0050-0055 of Saito). Saito discloses multiple embodiments for the user-defined (customizable) search templates, one of which is based upon key text found in the content (page 5, paragraph 0055 of Saito). The key text is a collection of key words deemed relevant to the content based on certain predetermined rules. The key text is thus a topical representation of the content that was searched, this key text then exists as a content marker in the template which is linked to the content which it represents (page 5, paragraph 0055 of Saito). Saito also discloses that specific processes are included within the template to on the original document to be used in the resulting document, one of which is labeling, which is considered to be additional text associated with a data field (pages 4, paragraphs 0046-0047 of Saito).

Saito does not directly disclose a buffer for receiving documents, a formatter for formatting the data using the target markup language, or that the content is formatted for audible presentation. However, Guck discloses a method in which a template (shadow file) corresponds to a document and a specific document format that includes markup languages, and when a document is requested by format the template is used to format the content of the original document into the specific markup language (SGML, XML, HTML, etc.) (column 4, line 40-column 5, line 24 and Figure 8 of Guck). Guck also discloses a method in which the newly formatted document is converted into an audio format for IVR systems and sent to a speech interface (column 4, lines 17-38 of Guck). It would have been obvious to one of ordinary skill in the art at the time the

invention was made to have combined the methods of Saito and Guck because it would have allowed for formats to be specified based on the device or program used to access the data, thus it would have made the content available to a larger audience.

Regarding dependent claims 15 and 16, Saito discloses a method in which templates have a content marker for locating data in which the content marker has an identifier for identifying data within the formatted content (page 1, paragraph 0002 and page 5, paragraph 0050-0055 of Saito).

Regarding dependent claims 17 and 18, Saito discloses a method in which the formatted content is in HTML (page 3, paragraphs 0042-0045 of Saito).

Regarding dependent claim 19 and 20, Saito does not disclose a method in which the second document is formatted in VoiceXML. Saito does not disclose a method in which the second document is formatted in VoiceXML. However, Guck discloses a method in which the newly formatted document is converted into an audio format for IVR systems and sent to a speech interface (column 4, lines 17-38 of Guck). It would have been obvious to one of ordinary skill in the art at the time the invention was made to have combined the methods of Saito and Guck because it would have allowed for formats to be specified based on the format that a user had the ability to access, thus it would have made the content available to a larger audience.

Guck does not disclose that the format used is specifically VoiceXML, however as stated in the applicant's own specification (page 3, line 12-page 4, line 12 of Applicant's specification) VoiceXML was a well-known an audio presentation language used to transcode HTML documents into audio format. It would have been obvious to

one of ordinary skill in the art at the time the invention was made to have used VoiceXML when converting HTML documents of Guck into IVR audio document because it would have provided a simple way of converting the documents without having to reformat the content.

Regarding dependent claim 21, Saito discloses a method in which the second document and the specified document are of a different modality (page 3, paragraphs 0042-0045 of Saito).

Response to Arguments

7. Applicant's arguments filed 10/30/2007 have been fully considered but they are not persuasive.

Regarding the applicant's arguments on page 14, in reference to whether or not a template corresponds to a specified document, the examiner respectfully disagrees, thus the rejection is maintained. The limitations in question states, "...identifying a template which corresponds to said specified document," which can be clearly found in the teachings of Saito. Saito discloses a method in which a template is identified which corresponds to a specified document in which the document includes formatted content (page 3, paragraphs 0042-0045 of Saito). Specifically, the process of identifying a template that "corresponds" to a specific document is found on page 4, lines 10-19 of Saito, which state that when a document is inputted the most appropriate or closest search template is used, which by definition "corresponds" to the document. It appears that the applicant is attempting to garner extra detail from the word "corresponds" as it

used in the claim. Having a template that corresponds to a document does not mean a template exists that is 100 percent dedicated and correlated to the document in question. Rather, it means that a template exists that for the purpose of data extraction corresponds to the document to properly perform the process, which is clearly taught by Saito. If the applicant wishes to provide further detail to the limitation in question it would be necessary to add much more detailed language to the claim.

Regarding the applicant's arguments on pages 14-15, in reference to whether or not a content marker of Saito identifies physical regions containing data, the examiner respectfully disagrees, thus the rejection is maintained. As it is very clearly stated in Saito, the most appropriate search template is used and the data the is specified by the template is properly extracted from the document, even in the case of the document being unknown at the time it is initially input to the extraction process (page 4, lines 10-19 of Saito). There is no evidence that the statements made by the applicant regarding "possible location" rather than actual location have any factual basis in reference to the teachings of Saito. In future responses, it is recommended that the arguments be presented with actual citations and or references to the prior art, in order prove that the statements of contention are anything more than a mere allegation against the prior art.

Applicant's arguments with respect to independent claims found on pages 15-16 regarding the newly added limitation referring to tags, code and additional text have been considered but are moot in view of the new ground(s) of rejection presented based on reconsideration of the previously stated prior art.

Conclusion

8. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

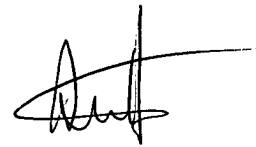
A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Joshua D. Campbell whose telephone number is (571) 272-4133. The examiner can normally be reached on M-F (7:30 AM - 4:00 PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Hong can be reached on (571) 272-4124. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



STEPHEN HONG
PATENT EXAMINER

JDC
January 11, 2008